

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_LD0001G_01_s_2013_5				
Comment Code					
Inspector Comment					
The LMA has copies of the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_LD0001G_01_s_2013_9				
Comment Code					
Inspector Comment					
The LMA has adequate emergency supplies and equipment.					

No Photos

LM Start		Rating **	M	Issue No.	14
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_LD0001G_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA has not completed the flood fight training in the last 10 years.					

No Photos

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	0.25	Rating **	M	Issue No.	41
LM End	0.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.480769 °	39.480769 °
				-122.017301 °	-122.017301 °
DWR ID	DWR_LD0001G_01_f _ 2015_41				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree from the waterside slope.					

Photo 1 of 2 : FA_2018_LD0001G_432_41_20180905_00011.jpg



View of the tree on the waterside slope.

LM Start	0.25	Rating **	M	Issue No.	41 (cont)
LM End	0.25	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2018_LD0001G_432_41_20180905_00012.jpg



View of the fallen tree on the waterside slope looking upstream.

LM Start	1.01	Rating **	M	Issue No.	43
LM End	1.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.490963 °	39.490963 °
				-122.020510 °	-122.020510 °
DWR ID	DWR_LD0001G_01_f_2016_43				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim trees to at least 5 feet above the ground for visibility.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	2.22	Rating **	M	Issue No.	402	
LM End	2.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.501690 °	39.501690 °	
				-122.006099 °	-122.006099 °	
DWR ID	22944					
Comment Code						
Inspector Comment						
FS_ID:14332 DS_ID:22944 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 8-inch drainage pipe of an unknown material sleeved through a 12-inch pipe of an unknown material through the levee, 9.5 feet below the crown. Flap gate located on the waterside (WS). Pipe open on the landside (LS). [Additional Reference(s): USACE Sacramento O&M Manual 140, May 1960, (HLM 2.27)]. FS Date: 5/29/2013						

LM Start	2.22	Rating **	M	Issue No.	402 (cont)
LM End	2.22	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_14332_23582.jpg



Pump at location of pipe on LS toe.

Photo 2 of 3 : UCIP_FA_2018_14332_23581.jpg



Pipe next to pump at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	2.22	Rating **	M	Issue No.	402 (cont)	
LM End	2.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.501690 °	39.501690 °	
				-122.006099 °	-122.006099 °	
DWR ID	22944					
Comment Code						
Inspector Comment						
FS_ID:14332 DS_ID:22944 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 8-inch drainage pipe of an unknown material sleeved through a 12-inch pipe of an unknown material through the levee, 9.5 feet below the crown. Flap gate located on the waterside (WS). Pipe open on the landside (LS). [Additional Reference(s): USACE Sacramento O&M Manual 140, May 1960, (HLM 2.27)]. FS Date: 5/29/2013						

Photo 3 of 3 : UCIP_FA_2018_14332_23580.jpg



8-inch pipe sleeved through a 12-inch concrete pipe.

LM Start	3.88	Rating **	A/W	Issue No.	395
LM End	3.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.523845 °	39.523845 °
				-122.010745 °	-122.010745 °
DWR ID	DWR_LD0001G_01_s_2012_395				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Unable to see the rodent holes because of the prunings pile. Backfill and compact the rodent holes on the landside slope.					

Photo 1 of 1 : FA_2018_LD0001G_432_395_20180905_00034.jpg



View of the rodent holes along the LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	3.98	Rating **	U	Issue No.	404
LM End	3.98	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.524990°	39.524990°	
			-122.009575°	-122.009575°	
DWR ID	22904				

Comment Code

Inspector Comment

FS_ID:53006

DS_ID:22904

EP_NO: 9572

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 10/9/2018 No change to the crossing status. Flap gate on WS cannot be fully closed due to a 3-inch pipe through drainage pipe crossing the levee. Water is supplied from a well on LS via 3-inch pipe to the WS for irrigation/drinking purposes. Owner will need to remove obstruction to allow proper flap gate closure.

(O. Yakimov - DWR)12/21/2016 Flap gate on WS does not appear to be broken however, flap gate does not fully close due to a 3-inch aluminum pipe sleeve through larger pipe. Need to remove 3-inch pipe in order to have WS flap gate close and to be compliant with Title 23.

(O. Magana - DWR UCIP)05/29/2013 Broken flap gate and Concrete headwall on LS toe possibly tilting. Also a 3-inch aluminum irrigation line through the pipe. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: 18-inch steel drainage pipe through the levee, 7.3 feet below the crown. Flap gate in 6-inch by 6-inch concrete box located on the waterside (WS) end. Concrete headwall located on the landside (LS) toe. (18-inch pipe [HLM 4.05] authorized under Automatic Board Order (ABO) issued as Permit No. 9572, 1974 - Henry and Annabel B. Smith). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 4.05)].

FS Date: 10/9/2018 3:27:06 PM

LM Start	3.98	Rating **	U	Issue No.	404 (cont)
LM End	3.98	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_53006_78123.jpg



View of levee crown at the crossing.

Photo 2 of 3 : UCIP_FA_2018_53006_78124.jpg



3-inch pipe obstructs flap gate from complete closing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	3.98	Rating **	U	Issue No.	404 (cont)
LM End	3.98	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.524990°	39.524990°	
			-122.009575°	-122.009575°	
DWR ID	22904				

Comment Code

Inspector Comment

FS_ID:53006

DS_ID:22904

EP_NO: 9572

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 10/9/2018 No change to the crossing status. Flap gate on WS cannot be fully closed due to a 3-inch pipe through drainage pipe crossing the levee. Water is supplied from a well on LS via 3-inch pipe to the WS for irrigation/drinking purposes. Owner will need to remove obstruction to allow proper flap gate closure.

(O.Yakimov - DWR)12/21/2016 Flap gate on WS does not appear to be broken however, flap gate does not fully close due to a 3-inch aluminum pipe sleeve through larger pipe. Need to remove 3-inch pipe in order to have WS flap gate close and to be compliant with Title 23.

(O. Magana - DWR UCIP)05/29/2013 Broken flap gate and Concrete headwall on LS toe possibly tilting. Also a 3-inch alluminum irrigation line through the pipe. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: 18-inch steel drainage pipe through the levee, 7.3 feet below the crown. Flap gate in 6-inch by 6-inch concrete box located on the waterside (WS) end. Concrete headwall located on the landside (LS) toe. (18-inch pipe [HLM 4.05] authorized under Automatic Board Order (ABO) issued as Permit No. 9572, 1974 - Henry and Annabel B. Smith). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 4.05)].

FS Date: 10/9/2018 3:27:06 PM

Photo 3 of 3 : UCIP_FA_2018_53006_78125.jpg



3-inch pipe obstructs flap gate from complete closing.

LM Start	4.37	Rating **	A	Issue No.	59
LM End	4.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.527792°	39.527792°	
			-122.003268°	-122.003268°	
DWR ID	DWR_LD0001G_01_f_2018_59				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

The vegetation was removed from both slopes.

Photo 1 of 1 : FA_2018_LD0001G_432_59_20181105_00110.jpg



View of no vegetation on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee District No. 0001 (Glenn County)

View of the vehicle erosion along the slope of the levee.

View of the rodent hole along the levee slope.

View of the rodent holes along the landside slope.

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Levee District No. 0001 (Glenn County)

No Photos

View of the vegetation along the waterside slope and toe.

View of the rodent holes along the landside slope.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	6.22	Rating **	M	Issue No.	47
LM End	6.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.550533 °	39.550533 °
				-122.002319 °	-122.002319 °
DWR ID	DWR_LD0001G_01_s_2014_47				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_47_20180905_00014.jpg



View of the rodent activity along the LS slope.

LM Start	6.24	Rating **	M	Issue No.	76
LM End	6.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.550725 °	39.550725 °
				-122.002370 °	-122.002370 °
DWR ID	DWR_LD0001G_01_f _ 2016_76				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_76_20180905_00030.jpg



View of the rodent holes along the landside slope.

LM Start	6.38	Rating **	A/W	Issue No.	10
LM End	6.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.552691 °	39.556459 °
				-122.003063 °	-122.003831 °
DWR ID	DWR_LD0001G_01_s_2012_10				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_10_20180905_00005.jpg



View of the Army Corps of Engineers mitigation site.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	8.05	Rating **	M	Issue No.	20
LM End	8.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.576580 °	39.578187 °
				-122.004962 °	-122.005218 °
DWR ID	DWR_LD0001G_01_s_2012_20				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_20_20180905_00008.jpg



View of the trees and vegetation along the waterside slope of the levee.

LM Start	8.47	Rating **	M	Issue No.	410	
LM End	8.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.582275 °		39.582275 °
				-122.007449 °		-122.007449 °
DWR ID	22918					
Comment Code						
Inspector Comment						
FS_ID:53341 DS_ID:22918 EP_NO: 9563 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/9/2018 Pipe is open on both ends and damaged on WS. Recommended grouting in place. Crossing downgraded to "Non-Urgent" due to pipe location above floodplain. (O.Yakimov - DWR)12/21/2016 same as last inspection crossing is opened on both ends and damaged on WS slope is visible. According to LMA representative, Nick Henning, pipe appears to be abandoned. (O. Magana - DWR UCIP)05/31/2013 Pipe open on both ends and damaged on WS slope. Pipe should be abandoned properly if appropriate. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel drainage pipe through levee, 5 feet below crown. Pipe open on both waterside (WS) and landside (LS) ends. One corrugated metal cutoff wall. (12-inch pipe [HLM 8.6] authorized under Automatic Board Order (ABO) No. 9563, 1974 - County of Glenn). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 140, May 1960, (HLM 8.60)]. FS Date: 10/9/2018 3:57:00 PM						

Photo 1 of 3 : UCIP_FA_2018_53341_23668.jpg



Pipe on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	8.47	Rating **	M	Issue No.	410 (cont)	
LM End	8.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.582275 °		39.582275 °
				-122.007449 °		-122.007449 °
DWR ID	22918					
Comment Code						
Inspector Comment						
FS_ID:53341 DS_ID:22918 EP_NO: 9563 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/9/2018 Pipe is open on both ends and damaged on WS. Recommended grouting in place. Crossing downgraded to "Non-Urgent" due to pipe location above floodplain. (O.Yakimov - DWR)12/21/2016 same as last inspection crossing is opened on both ends and damaged on WS slope is visible. According to LMA representative, Nick Henning, pipe appears to be abandoned. (O. Magana - DWR UCIP)05/31/2013 Pipe open on both ends and damaged on WS slope. Pipe should be abandoned properly if appropriate. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel drainage pipe through levee, 5 feet below crown. Pipe open on both waterside (WS) and landside (LS) ends. One corrugated metal cutoff wall. (12-inch pipe [HLM 8.6] authorized under Automatic Board Order (ABO) No. 9563, 1974 - County of Glenn). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 140, May 1960, (HLM 8.60)]. FS Date: 10/9/2018 3:57:00 PM						

LM Start	8.47	Rating **	M	Issue No.	410 (cont)
LM End	8.47	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_53341_23667.jpg



Pipe on LS slope.

Photo 3 of 3 : UCIP_FA_2018_53341_23666.jpg



Pipe on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	9.49	Rating **	M	Issue No.	412
LM End	9.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.596012 °	39.596012 °
				-122.002638 °	-122.002638 °
DWR ID	22920				
Comment Code					
Inspector Comment					
FS_ID:14389 DS_ID:22920 EP_NO: 9560 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy rust along springline of pipe. Pipe has slight deformation at centerline of levee, not noticable on crown. FIELD_STRUCT_DESC: 72-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 8-inch corrugated metal riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (72-inch pipe [HLM 9.64]authorized under Automatic Board Order (ABO) issued as Permit No. 9560, 1974 - John and Lena Friesen). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 9.64)]. FS Date: 5/31/2013					

LM Start	9.49	Rating **	M	Issue No.	412 (cont)
LM End	9.49	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_14389_23686.jpg



Pipe and headwall at LS toe.

Photo 2 of 3 : UCIP_FA_2018_14389_23685.jpg



Slide gate in 8-foot diameter CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	9.49	Rating **	M	Issue No.	412 (cont)	
LM End	9.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.596012 °	39.596012 °	
				-122.002638 °	-122.002638 °	
DWR ID	22920					
Comment Code						
Inspector Comment						
FS_ID:14389 DS_ID:22920 EP_NO: 9560 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy rust along springline of pipe. Pipe has slight deformation at centerline of levee, not noticable on crown. FIELD_STRUCT_DESC: 72-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 8-inch corrugated metal riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (72-inch pipe [HLM 9.64]authorized under Automatic Board Order (ABO) issued as Permit No. 9560, 1974 - John and Lena Friesen). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 9.64)]. FS Date: 5/31/2013						

Photo 3 of 3 : UCIP_FA_2018_14389_23684.jpg



Flap gate and headwall on WS toe.

LM Start	9.50	Rating **	A/W	Issue No.	8
LM End	10.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.596192°	39.607288°
				-122.002573°	-121.994565°
DWR ID	DWR_LD0001G_01_s_2012_8				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_8_20180905_00004.jpg



View of the Army Corps of Engineers mitigation site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	9.91	Rating **	A/W	Issue No.	413	
LM End	9.91	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.601470 °		39.601470 °
				-121.999501 °		-121.999501 °
DWR ID	22921					
Comment Code						
Inspector Comment						
FS_ID:14390						
DS_ID:22921						
EP_NO: 9559						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 36-inch corrugated metal riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe [HLM 10.05] authorized under Automatic Board Order (ABO) issued as Permit No. 9559, 1974 - David and Mary Giesbrecht). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 10.05)].						
FS Date: 5/31/2013						

Photo 1 of 3 : UCIP_FA_2018_14390_23690.jpg



Slide gate in 36-inch CMP riser on WS slope.

LM Start	9.91	Rating **	A/W	Issue No.	413 (cont)
LM End	9.91	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_14390_23689.jpg



Concrete headwall and pipe at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	9.91	Rating **	A/W	Issue No.	413 (cont)	
LM End	9.91	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.601470 °	39.601470 °	
				-121.999501 °	-121.999501 °	
DWR ID	22921					
Comment Code						
Inspector Comment						
FS_ID:14390						
DS_ID:22921						
EP_NO: 9559						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 36-inch corrugated metal riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe [HLM 10.05] authorized under Automatic Board Order (ABO) issued as Permit No. 9559, 1974 - David and Mary Giesbrecht). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 10.05)].						
FS Date: 5/31/2013						

Photo 3 of 3 : UCIP_FA_2018_14390_23688.jpg



Erosion around headwall at LS toe.

LM Start	9.93	Rating **	A/W	Issue No.	414	
LM End	9.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.601659 °		39.601659 °
				-121.999209 °		-121.999209 °
DWR ID	22922					
Comment Code						
Inspector Comment						
FS_ID:14559						
DS_ID:22922						
EP_NO: 9558						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 36-inch corrugated metal pipe riser unit on the WS slope. Two corrugated metal cutoff walls. Concrete headwalls on both ends. (24-inch pipe [HLM 10.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9558, 1974 - Duard Geis). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 10.08)].						
FS Date: 5/31/2013 8:43:01 AM						

Photo 1 of 3 : UCIP_FA_2018_14559_23986.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	9.93	Rating **	A/W	Issue No.	414 (cont)	
LM End	9.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.601659 °		39.601659 °
				-121.999209 °		-121.999209 °
DWR ID	22922					
Comment Code						
Inspector Comment						
FS_ID:14559						
DS_ID:22922						
EP_NO: 9558						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 36-inch corrugated metal pipe riser unit on the WS slope. Two corrugated metal cutoff walls. Concrete headwalls on both ends. (24-inch pipe [HLM 10.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9558, 1974 - Duard Geis). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 10.08)].						
FS Date: 5/31/2013 8:43:01 AM						

Photo 2 of 3 : UCIP_FA_2018_14559_23985.jpg



Slide gate in 36-inch CMP riser on WS slope.

LM Start	9.93	Rating **	A/W	Issue No.	414 (cont)
LM End	9.93	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2018_14559_23984.jpg



Pipe, flapgate, and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	10.43	Rating **	U	Issue No.	418
LM End	10.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.607688 °	39.607688 °
				-121.994278 °	-121.994278 °
DWR ID	22924				

Comment Code

Inspector Comment

FS_ID:53340

DS_ID:22924

EP_NO: 9556

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 10/9/2018 Large rock at the bottom of CMP riser obstructs slide gate from completely closing. Pipe is rusted through at WS end. Recommend internal inspection to determine condition of pipe through levee, and to clean the inside of CMP riser for proper slide gate function. (O.Yakimov - DWR)12/21/2016 same as last inspection flap gate disabled in open position. Surface erosion observed on LS slope. Recommend repair on WS flap gate to be able to close flap gate. (O. Magana - DWR UCIP)05/31/2013 Flap gate dissabled in open position. Pipe rusted through at WS toe upstream of Flapgate. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through levee, 15 feet below crown. Flap gate is located on the waterside (WS) end. Slide gate is inside a corrugated metal pipe (CMP) riser located on the WS slope. Two CM cutoff walls. Concrete headwall is located on LS and under outlet at the WS toe. (24-inch pipe [HLM 10.59] authorized under Automatic Board Order (ABO) issued as Permit No. 9556, 1974 - E. R & M. R. Cooper). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 140, May 1960, (HLM 10.59)].

FS Date: 10/9/2018 4:05:00 PM

LM Start	10.43	Rating **	U	Issue No.	418 (cont)
LM End	10.43	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_53340_76411.jpg



View of WS.

Photo 2 of 3 : UCIP_FA_2018_53340_78135.jpg



Water-Side

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	10.43	Rating **	U	Issue No.	418 (cont)	
LM End	10.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.607688 °	39.607688 °	
				-121.994278 °	-121.994278 °	
DWR ID	22924					
Comment Code						
Inspector Comment						
FS_ID:53340 DS_ID:22924 EP_NO: 9556 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/9/2018 Large rock at the bottom of CMP riser obstructs slide gate from completely closing. Pipe is rusted through at WS end. Recommend internal inspection to determine condition of pipe through levee, and to clean the inside of CMP riser for proper slide gate function. (O.Yakimov - DWR)12/21/2016 same as last inspection flap gate disabled in open position. Surface erosion observed on LS slope. Recommend repair on WS flap gate to be able to close flap gate. (O. Magana - DWR UCIP)05/31/2013 Flap gate dissabled in open position. Pipe rusted through at WS toe upstream of Flapgate. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through levee, 15 feet below crown. Flap gate is located on the waterside (WS) end. Slide gate is inside a corrugated metal pipe (CMP) riser located on the WS slope. Two CM cutoff walls. Concrete headwall is located on LS and under outlet at the WS toe. (24-inch pipe [HLM 10.59] authorized under Automatic Board Order (ABO) issued as Permit No. 9556, 1974 - E. R & M. R. Cooper). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 140, May 1960, (HLM 10.59)]. FS Date: 10/9/2018 4:05:00 PM						

Photo 3 of 3 : UCIP_FA_2018_53340_78136.jpg



Drainage channel on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.02	Rating **	A/W	Issue No.	419
LM End	11.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.616041 °	39.616041 °
				-121.994450 °	-121.994450 °
DWR ID	22925				
Comment Code					
Inspector Comment					
FS_ID:14565 DS_ID:22925 EP_NO: 9556 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on both ends. Slide gate in 60-inch diameter corrugated metal riser unit on the WS slope (48-inch pipe [HLM 11.17] authorized under Automatic Board Order (ABO) issued as Permit No. 9556, 1974 - Earl R. and Merrit R. Cooper). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.17)]. FS Date: 5/31/2013					

LM Start	11.02	Rating **	A/W	Issue No.	419 (cont)
LM End	11.02	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_14565_24009.jpg



Drainage ditch on LS toe.

Photo 2 of 3 : UCIP_FA_2018_14565_24008.jpg



Slide gate in 60-inch CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.02	Rating **	A/W	Issue No.	419 (cont)	
LM End	11.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.616041 °		39.616041 °
				-121.994450 °		-121.994450 °
DWR ID	22925					
Comment Code						
Inspector Comment						
FS_ID:14565 DS_ID:22925 EP_NO: 9556 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on both ends. Slide gate in 60-inch diameter corrugated metal riser unit on the WS slope (48-inch pipe [HLM 11.17] authorized under Automatic Board Order (ABO) issued as Permit No. 9556, 1974 - Earl R. and Merrit R. Cooper). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.17)]. FS Date: 5/31/2013						

Photo 3 of 3 : UCIP_FA_2018_14565_24007.jpg



Flap gate and concrete headwall on WS toe.

LM Start	11.10	Rating **	M	Issue No.	66
LM End	11.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.617252 °	39.618192 °
				-121.994605 °	-121.995609 °
DWR ID	DWR_LD0001G_01_f_2015_66				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along the waterside slope.					

Photo 1 of 1 : FA_2018_LD0001G_432_66_20180905_00021.jpg



View of the rodent holes along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.51	Rating **	M	Issue No.	48
LM End	11.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.622083 °	39.622821 °
				-121.998858 °	-121.999244 °
DWR ID	DWR_LD0001G_01_s_2014_48				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_48_20180905_00015.jpg



View of the rodent activity along the waterside slope.

LM Start	11.64	Rating **	A/W	Issue No.	420
LM End	11.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.623874 °	39.623874 °
				-121.999813 °	-121.999813 °
DWR ID	22926				
Comment Code					
Inspector Comment					
FS_ID:14566 DS_ID:22926 EP_NO: 9555 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe [HLM 11.81] authorized under Automatic Board Order (ABO) issued as Permit No. 9555, 1974 - F. S. Reager). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.81)]. FS Date: 5/31/2013					

Photo 1 of 3 : UCIP_FA_2018_14566_24013.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.64	Rating **	A/W	Issue No.	420 (cont)	
LM End	11.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.623874 °		39.623874 °
				-121.999813 °		-121.999813 °
DWR ID	22926					
Comment Code						
Inspector Comment						
FS_ID:14566 DS_ID:22926 EP_NO: 9555 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe [HLM 11.81] authorized under Automatic Board Order (ABO) issued as Permit No. 9555, 1974 - F. S. Reager). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.81)]. FS Date: 5/31/2013						

Photo 2 of 3 : UCIP_FA_2018_14566_24012.jpg



Slide gate in 36-inch CMP riser on WS slope.

LM Start	11.64	Rating **	A/W	Issue No.	420 (cont)
LM End	11.64	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2018_14566_24011.jpg



Concrete headwall and flapgate on WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.66	Rating **	M	Issue No.	79
LM End	11.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.624112 °	39.624112 °
				-121.999933 °	-121.999933 °
DWR ID	DWR_LD0001G_01_f _ 2016_79				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on the landside slope and crown.					

Photo 1 of 2 : FA_2018_LD0001G_432_79_20180905_00032.jpg



View of the rodent holes along the landside slope with large hammer sitting in the hole.

LM Start	11.66	Rating **	M	Issue No.	79 (cont)
LM End	11.66	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2018_LD0001G_432_79_20180905_00033.jpg



Another view of the rodent holes along the landside slope with a large hammer sitting next to the hole.

LM Start	11.67	Rating **	M	Issue No.	42
LM End	11.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.624171 °	39.625823 °
				-121.999967 °	-122.000834 °
DWR ID	DWR_LD0001G_01_s_2012_42				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.76	Rating **	M	Issue No.	421
LM End	11.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.625463 °	39.625463 °
				-122.000658 °	-122.000658 °
DWR ID	22927				
Comment Code					
Inspector Comment					
FS_ID:14567 DS_ID:22927 EP_NO: 9554 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion and sloughing on LS slope possibly due to rodent activity in area. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in 36-inch corrugated metal riser unit on the waterside (WS) slope. 48-inch concrete standpipe on the landside (LS) toe. Two corrugated metal cutoff walls. (24-inch pipe [HLM 11.93] authorized under Automatic Board Order (ABO) issued as Permit No. 9554, 1974 - Thomas H. Reed). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.93)]. FS Date: 5/31/2013					

LM Start	11.76	Rating **	M	Issue No.	421 (cont)
LM End	11.76	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_14567_24017.jpg



Concrete standpipe on LS toe.

Photo 2 of 3 : UCIP_FA_2018_14567_24016.jpg



Slide gate in CMP riser on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.76	Rating **	M	Issue No.	421 (cont)	
LM End	11.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.625463 °	39.625463 °	
				-122.000658 °	-122.000658 °	
DWR ID	22927					
Comment Code						
Inspector Comment						
FS_ID:14567 DS_ID:22927 EP_NO: 9554 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion and sloughing on LS slope possibly due to rodent activity in area. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in 36-inch corrugated metal riser unit on the waterside (WS) slope. 48-inch concrete standpipe on the landside (LS) toe. Two corrugated metal cutoff walls. (24-inch pipe [HLM 11.93] authorized under Automatic Board Order (ABO) issued as Permit No. 9554, 1974 - Thomas H. Reed). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.93)]. FS Date: 5/31/2013						

Photo 3 of 3 : UCIP_FA_2018_14567_24015.jpg



Erosion and sloughing on LS slope possibly due to rodent activity.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.87	Rating **	M	Issue No.	422
LM End	11.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.626918 °	39.626918 °
				-122.001421 °	-122.001421 °
DWR ID	22928				
Comment Code					
Inspector Comment					
FS_ID:14569					
DS_ID:22928					
EP_NO: 9554					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Flap gate heavily corroded. Good candidate for video inspection. Vegetation interfering with inlet.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in 36-inch corrugated metal pipe riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe [12.04] authorized under Automatic Board Order (ABO) issued as Permit No. 9554, 1974 - Thomas H. Reed). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 12.04)].					
FS Date: 5/31/2013					

LM Start	11.87	Rating **	M	Issue No.	422 (cont)
LM End	11.87	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_14569_24026.jpg



Slidegate in 36-inch CMP riser on WS slope.

Photo 2 of 3 : UCIP_FA_2018_14569_24025.jpg



Drainage channel on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.87	Rating **	M	Issue No.	422 (cont)
LM End	11.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.626918 °	39.626918 °
				-122.001421 °	-122.001421 °
DWR ID	22928				
Comment Code					
Inspector Comment					
FS_ID:14569 DS_ID:22928 EP_NO: 9554 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flap gate heavily corroded. Good candidate for video inspection. Vegetation interfering with inlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in 36-inch corrugated metal pipe riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe [12.04] authorized under Automatic Board Order (ABO) issued as Permit No. 9554, 1974 - Thomas H. Reed). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 12.04)]. FS Date: 5/31/2013					

Photo 3 of 3 : UCIP_FA_2018_14569_24024.jpg



Headwall and flapgate on WS toe.

LM Start	11.91	Rating **	M	Issue No.	44
LM End	11.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.627423 °	39.628278 °
				-122.001562 °	-122.001818 °
DWR ID	DWR_LD0001G_01_s_2012_44				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries partially block visibility.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	12.13	Rating **	A/W	Issue No.	423
LM End	12.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.630451 °	39.630451 °
				-122.002737 °	-122.002737 °
DWR ID	22929				
Comment Code					
Inspector Comment					
FS_ID:14570 DS_ID:22929 EP_NO: 9554 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in 36-inch corrugated metal riser unit on the WS slope. Concrete U-shaped headwalls on both ends. (24-inch pipe [HLM 12.29] authorized under Automatic Board Order (ABO) issued as Permit No. 9554, 1974 - Thomas H. Reed). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 12.29)]. FS Date: 5/31/2013					

Photo 1 of 3 : UCIP_FA_2018_14570_24029.jpg



Flapgate and U-shaped concrete headwall on WS toe.

LM Start	12.13	Rating **	A/W	Issue No.	423 (cont)
LM End	12.13	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_14570_24028.jpg



Slidegate in 36-inch CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	12.13	Rating **	A/W	Issue No.	423 (cont)	
LM End	12.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.630451 °		39.630451 °
				-122.002737 °		-122.002737 °
DWR ID	22929					
Comment Code						
Inspector Comment						
FS_ID:14570 DS_ID:22929 EP_NO: 9554 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in 36-inch corrugated metal riser unit on the WS slope. Concrete U-shaped headwalls on both ends. (24-inch pipe [HLM 12.29] authorized under Automatic Board Order (ABO) issued as Permit No. 9554, 1974 - Thomas H. Reed). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 12.29)]. FS Date: 5/31/2013						

Photo 3 of 3 : UCIP_FA_2018_14570_24027.jpg



U-shaped concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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